READY! SET! ACTIVATE! USING GREEN INFRASTRUCTURE TO PROMOTE HEALTH EQUITY IN SOUTH PHOENIX

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READY! SET! ACTIVATE! is a research-based schoolyard redesign proposal part of an ongoing collaboration between Arizona State University and Paideia Academy, a K-8 public charter school located in South Phoenix, Arizona. This a five-acre school property experiences persistent environmental justice issues endemic to the greater South Phoenix area, including flooding, excessive urban heat, and poor air quality. The vision of this redesign is to use green infrastructure at Paideia to create resilient natural learning and play landscapes that promote health equity by improving the quality and access of green space for the student community.

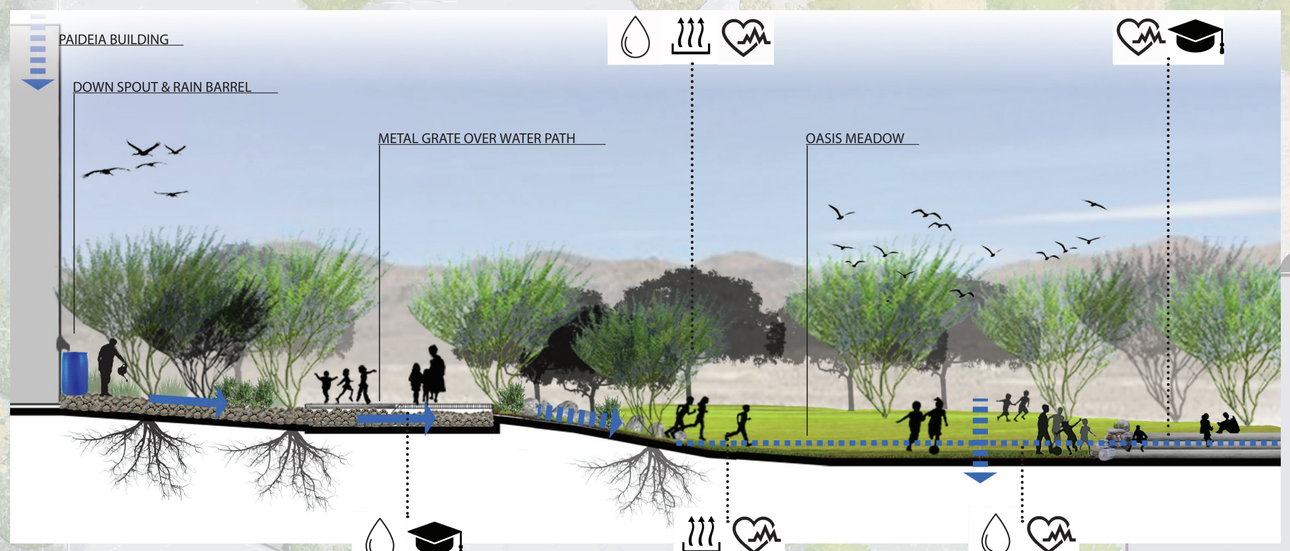
Green infrastructure interventions, including the creation of bioswales and bioretention for stormwater, along with the use of native vegetation, are critical in the mitigation of seasonal flooding and the improvement of environmental site conditions. Using Padeia's whole-person education paradigm to guide the goals of the project, the intent is to begin the conversation on how school landscapes can address the immediate health equity challenges of the site while creating a welcoming and healthful green space amenity for the community.



LEGEND

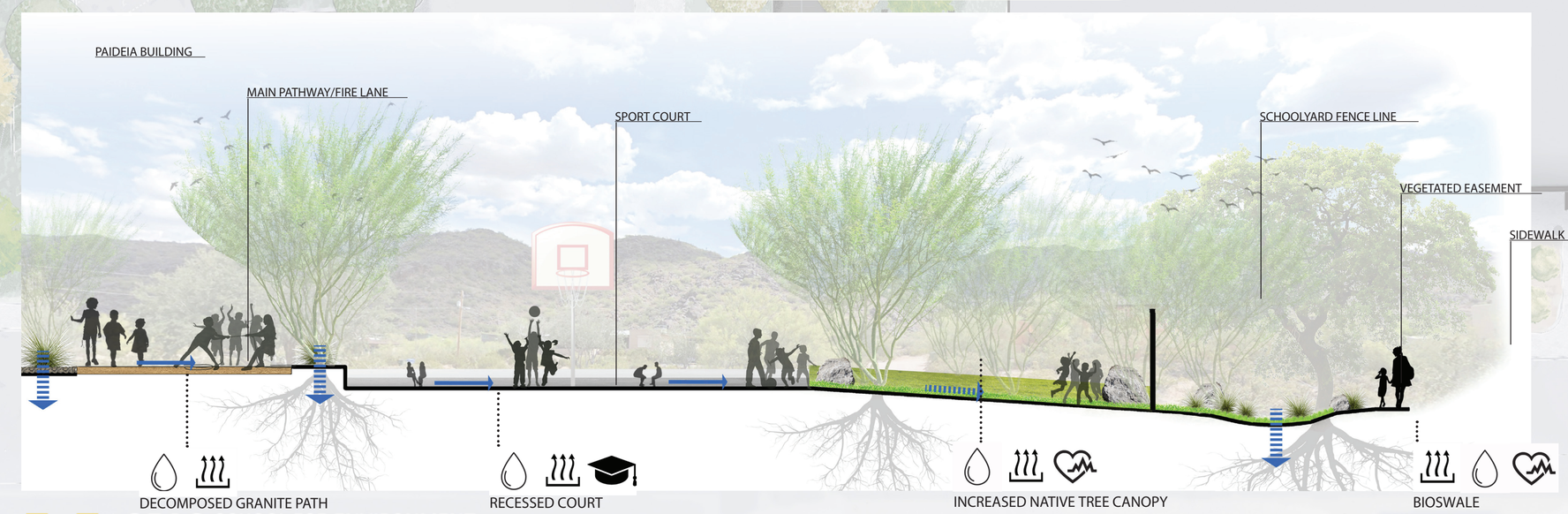
1. Parking Retention
2. Parking Lot
3. Pedestrian Path
4. Schoolyard Entrance
5. Garden Education Center
6. Palo Verde Path
7. Sonoran Desert Education
8. Sun Swing
9. Earth Mounds
10. Desert Tortoise Tunnel
11. South Mountain Trail
12. Summit Slide
13. Rincon Bridge
14. Monsoon Garden
15. Recessed Sport Court
16. Covered 4 Square
17. Shady Corner
18. Rain Demonstration
19. Oasis Meadow
20. Terrace Theatre

Section A



This landscape provides opportunities for learning and enhancing health/wellbeing

Section B



This design fosters localized learning and community education

Native vegetation reduces urban heat and creates a resilient landscape

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